

DATA SHEET

ESPRIMO Q1500

Issue: October 2009

The small, energy-efficient entertainer for living-room and office

ESPRIMO Q1500

The small ESPRIMO Q1500 with its new design offers you all the advantages of a fully equipped ESPRIMO PC for your office and much more besides. Its Intel® mobile technology, HDMI, Blu-ray and Microsoft® Windows® 7 support makes it the ideal living-room entertainer, too. Whether you are surfing the Internet, processing photos, listening to music or enjoying Blu-ray disks in HD quality - the Intel® Core® 2™ Duo processor technology, up to 4 GB RAM and 320 GB hard disk capacity does it all for you without any problems. The remote control makes life easier as well. This extremely quiet device weighing only 1.7 kg makes it the energy-saver in the ESPRIMO PC series. Unrestricted multimedia enjoyment with the small ESPRIMO Q1500.



Smart and stylish

Eye-catcher on every desk with a modern and exclusive retro design

- A fully equipped Mini PC weighing only 1.7 kgs (1.4 liter volume)

Small in stature, but big in performance

Performance to meet all demands, in small format as well

- Intel® Core™2 Duo processor, up to 4 GB memory, 320 GB hard disk and 6 USB ports

A black shell and a green core

The most energy-efficient computer of our ESPRIMO series reduces your energy consumption

- Intel® Centrino mobile technology for a power consumption of 19 Watt in idle mode and extended energy management settings

Entertainer

The ideal living-room PC for music, films and photos.

- Remote control, BluRay drive, HDMI adapter and Microsoft Windows® 7 Home Premium



Components

Processor	Intel® Core™2 Duo processor P8700 (2.53 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo processor T6600 (2.2 GHz, 2 MB, 800 MHz)
	Intel® Pentium® M processor T4300 (2.0 GHz, 1 MB, 800 MHz)
	Intel® Celeron® processor 900 (2.2 GHz, 1 MB, 800 MHz)
Memory modules	2 GB (1 module(s) with 2 GB) DDR2, 800 MHz, PC2-6400, SO DIMM
	1 GB (1 module(s) with 1 GB) DDR2, 800 MHz, PC2-6400, SO DIMM
Hard disk drives (internal)	SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T.
	SATA II, 5400 rpm, 320 GB, 2.5-inch
	SATA, 5400 rpm, 250 GB, 2.5-inch
	SATA, 5400 rpm, 160 GB, 2.5-inch
Hard disk notes	Supporting NCQ and 3 GBit
Modular bay options	Blu-ray Combo SATA Slot-in slim
	DVD Super Multi Slot-in slim

Interface add on cards/components (optional)

Bluetooth 2.0
Atheros Minicard b/g/n

Base unit **ESPRIMO Q1500**

Mainboard

Formfactor	proprietary
Chipset	Intel® GM45, ICH 9-M
Processor socket	Socket P
Processor quantity maximum	1
System bus (FSB / HT / QPI)	1066 MHz
Memory slots	2 SO DIMM
Supported capacity RAM (max.)	4 GB
Memory frequency	667 MHz
Memory notes	Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same In configurations with 4 GB the visible memory may be reduced to approximately 3.5 GB or less (for 32 bit operating systems, depending on system configuration)
LAN	10/100/1000 MBit/s Intel® 82567LF
WLAN	optional
BIOS version	Phoenix Award BIOS
BIOS features	BIOS Flash EPROM update by software Recovery BIOS
Audio codec	Realtek ALC888
Audio features	High Definition audio

I/O controller on board

Serial ATA total	3
thereof eSATA	1 (external on rear side)
Controller functions	Serial ATA II 3 GBit AHCI

Interfaces

Audio: line-in / microphone	1
Audio: line-in	1
Audio: line-out / headphones / SPDIF	1 (optical)
Front audio: headphone	-
Front audio: line-in / microphone	-
USB 2.0 total	6
USB front	2
USB rear	4

Interfaces

USB internal	-
VGA	via DVI to VGA-Adapter
DVI	1
HDMI text	via DVI to HDMI-Adapter
Mouse / Keyboard (PS/2)	-
S-Video out (TV-out)	-
Ethernet (RJ-45)	1
eSATA	1

Input device / components

Optical USB tilt wheel mouse
Remote control

Drive bays

Drive bays total	2
2.5-inch bays	1
5.25-inch external bays	1
Drive bay notes	slim slot-in

Graphic on board

Graphics brand name	Mobile Intel® GMA 4500M HD
Refresh rate 1024 x 768 (recommended / max.)	85 Hz / -
Refresh rate 1280 x 1024 (recommended / max.)	85 Hz / -
Refresh rate 1600 x 1200 (recommended / max.)	85 Hz / -
TFT resolution (VGA)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
Graphic notes	Shared memory depending on driver Resolution (color depth up to 32 Bit/pixel) For TFT we recommend to use 60Hz.

Electrical values

Rated frequency range	50 - 60 Hz
Operating voltage range	100 - 240 V (AC Input)

Power consumption

Power consumption note	see white paper Energy Consumption
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=14bb885c-4bb5-41ce-89b5-d5ea034b3960

Heat dissipation

Heat dissipation notes	see white paper Energy Consumption
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Noise for standard configuration (HDD, ODD, FDD)

Noise emission	According to ISO9296
Noise Operation mode 1: ODD load (Blue angel requirement)	4.5 B / 31 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	3.2 B / 16 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	3.8 B / 23 dB(A)
Noise Operation mode 4: High load	3.7 B / 22 dB(A)
Noise Operation mode 5: Office applications	3.2 B / 16 dB(A)
Idle mode (Blue Angel requirement)	3.3 B / 16 dB(A)

Noise for standard configuration (HDD, ODD, FDD)

Noise notes / description	Noise for standard configuration CPU, HDD, ODD; A weighted sound power level L _{wad} (in B) / Workplace related A-weighted sound pressure level L _{pAm} (in dB(A)), (bystander position) (ISO9296)
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Dimensions / Weight / Environmental

Dimension (W x D x H)	165 x 165 x 50 mm
Weight	approx. 1.7 kg
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	5 - 35°C

Compliance

Product	ESPRIMO Q1500
Model	MPC-D1001
Europe	CE EN 60601-1-2
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

Operating system

Operating system optional preinstalled	Microsoft® Windows Vista® Home Premium
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Additional Software

Additional software (preinstalled)	Nero 8 Essentials S
Additional software (optional)	Recovery DVD (Windows® XP / Windows Vista®) Drivers & Utilities DVD (DUDVD) Windows Vista® Drivers & Utilities DVD (DUDVD) Windows® XP
Additional software (included as a CD/DVD)	Nero Essentials (burning software)

Manageability features

DeskView features	Detailed system inventory management and reports WoL (Wake on LAN)
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Security

Physical security	Kensington Lock support
System security	Boot sector virus protection

Packaging information

Packaging dimension	395x198x284 mm
Max. quantity / pallet	48
Material - Weight (g) Carton	670g
Material - Weight (g) EPS / PS	appr. 10 g
Material - Weight (g) PE	appr. 125 g
Packaging notes	printed user documentation is bleached in chlorine free process

Warranty

Service level	(depending on country)
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Maintenance and Support Services - the perfect extension

Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	3 years
Service Weblink	http://ts.fujitsu.com/Supportservice

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